Basin Outlook Reports
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

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How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Soil Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthy or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthy and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

Issued by

William (Bill) Richards
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In addition to basin outlook reports, a Water Supply Forecast for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209-3489.

Basin Outlook Reports

April 1, 1992

United States
Department of
Agriculture

Soil
Conservation
Service

W. 316 Boone Avenue
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WASHINGTON WATER SUPPLY OUTLOOK

APRIL 1992

GENERAL OUTLOOK:

WASHINGTON Water Supply Outlook Report as of April 1, 1992: March weather dealt the snowpack a double blow, with above normal temperatures and below normal precipitation. Temperatures varied from five degrees above in the Seattle area to nine degrees above in the Okanogan Basin. Low elevation snowpack is gone, with snow remaining only above the 3500 foot elevation. The snowpack varies from 3% in the Elwah River Basin to 98% in the Chelan Basin. Washington's SNOTEL sites were averaging 62% of normal snowpack on April 1 (by April 8, it was 57%), down from 80% a month ago. March precipitation was 37% of normal state wide and varied from 20% of average in the Olympic Basin to 49% in the Yakima Basin. Year-to-date precipitation varies from 71% in the Okanogan to 99% in the Walla Walla Basin. Forecasts for 1992 runoff vary from 88% of average for the Entiat River to 46% for the Mill Creek in the Walla Walla Basin. March streamflows varied from 49% of normal on the Walla Walla River near Milton Freewater, Oregon, to 129% on the Chelan River. April 1 reservoir storage is generally good, with reservoirs in the Yakima Basin at 110% of average and 77% of capacity.

SNOWPACK:

Warm dry weather set in over Washington during March, causing a deterioration in the mountain snowpack. SNOTEL sites in Washington have a snowpack 62% of average for April 1, statewide. Maximum snow cover, with a snow depth of 130 inches and a water content of 65 inches is at Jasper Pass on Mount Baker. This site would normally have 86.0 inches of water content on April 1. Snowpack varies over the state from 98% of normal in the Chelan Basin to 3% in the Elwah River in the Olympic Basin. Snowpack along the west slopes of the Cascade Mountains includes the Green River with 27%, the Lewis River 17% and the Skagit 74%. Snowpack in the Okanogan is at 62% down from 87% last month, and the Yakima is at 55% of normal.

PRECIPITATION:

March precipitation from National Weather Service stations was 37% of average state wide. The year-to-date precipitation state wide is 80% it varied from 99% of normal in the Walla Walla Basin to 71% in the Okanogan Basin. March precipitation varied from 49% of average in the Yakima Basin, to 20% in the Olympic Basin. SNOTEL sites in Washington showed high elevation year-to-date precipitation values to be 83%, down from 93% a month ago. Maximum year-to-date precipitation was at the June Lake SNOTEL site near Mt. St. Helens, with 93.4 inches since October 1, 1991. Normal for this site would be 118.2 inches.

RESERVOIR:

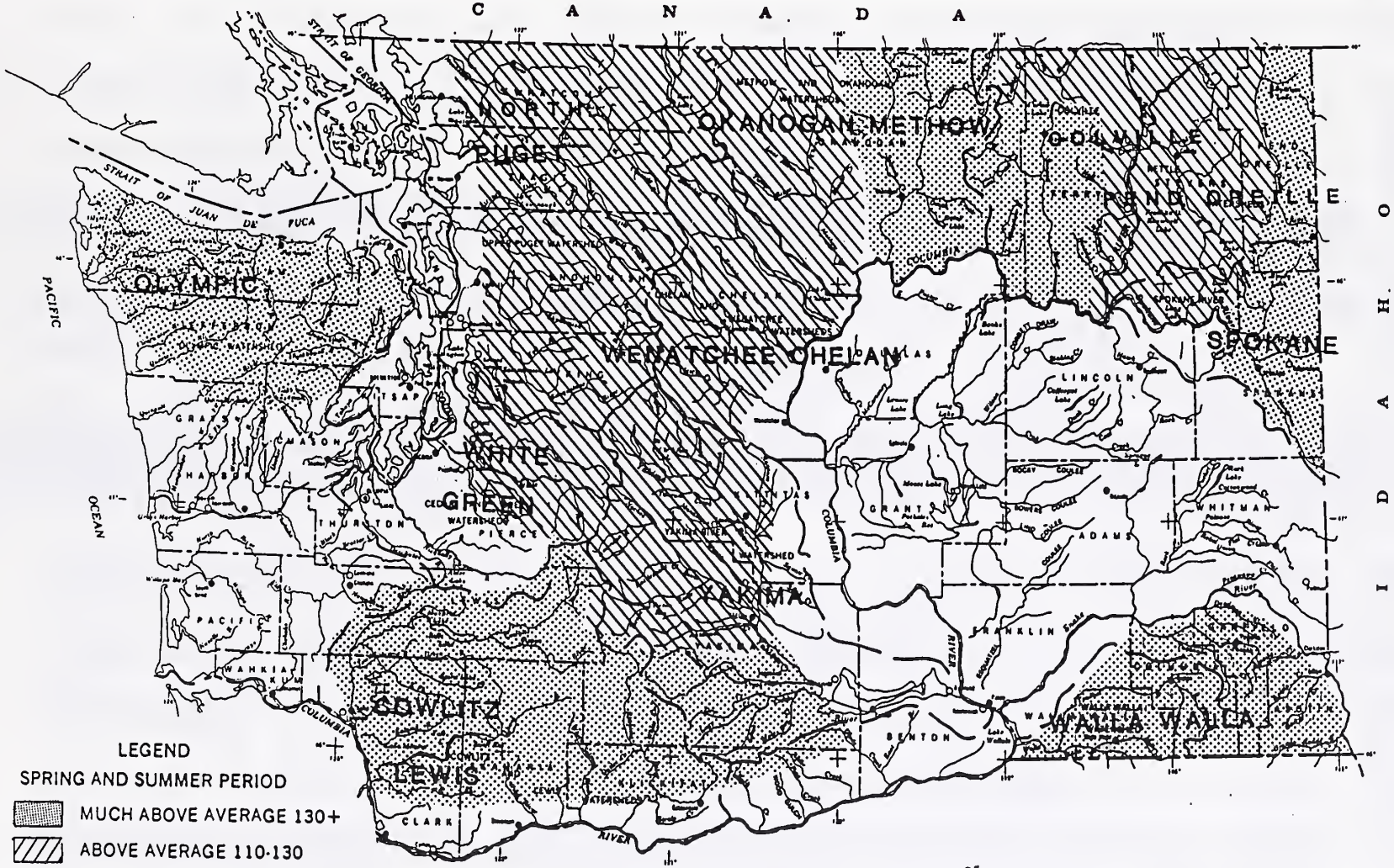
Reservoir storage in Washington is generally good for April 1. Reservoir storage in the Yakima Basin was 816,400 acre feet, 110% of normal. Storage at other reservoirs include Roosevelt at 240% of average. Water is being held back for salmon flushing later in the year. The Okanogan reservoirs are at 113% of April 1 normal. The power generation reservoirs contain the following: Coeur d'Alene Lake, 168,700 acre feet, or 72% of normal; Chelan Lake, 158,000 acre feet, 74% of average and 23% of capacity, and Ross Lake at 745,700 acre feet and 250% of average, and 53% of capacity.

STREAMFLOW:

Forecasts for summer streamflow are for below to much below average and vary from 88% of average for Entiat River to 46% of normal for Mill Creek in the Walla Walla River Basin. March forecasts for some west side streams include: Cedar River, 65% down from 73% last month; Skagit River, 86%; and the Dungeness River, 63%. Some east side streams include the Yakima River at Parker, 70% down from 80% last month; the Okanogan River at Tonasket, 61 down from 78%; and the Colville River, 71%. March streamflows varied throughout Washington, with above normal flows in the north half of the state and below normal in the southern part. The highest in the state, the Similkameen River was at 202%. The Columbia River, at Birchbank was at 126% and at The Dalles, it was 83%. Other streamflows were the following percent of normal: the Okanogan River, 131%; the Walla Walla River, which at 39% was the lowest in the state; the Spokane River, 78%; the Yakima at the Parker, 120%; the Wenatchee River at 164% and the Methow with 176%. The Cowlitz River was 65%.

U.S DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE



LEGEND

SPRING AND SUMMER PERIOD

- MUCH ABOVE AVERAGE 130+
- ABOVE AVERAGE 110-130
- NEAR AVERAGE 90-110
- BELOW AVERAGE 70-90
- MUCH BELOW AVERAGE 70+ LESS
- NOT FORECAST
- WATERSHED BOUNDARY

APRIL 1, 1992

STREAMFLOW PROSPECTS

WASHINGTON

0 25 50 75 100 MI

0 50 100 150 KM

SOURCE: Data compiled by SCS Field Personnel.

JANUARY 1986 4-R-39641

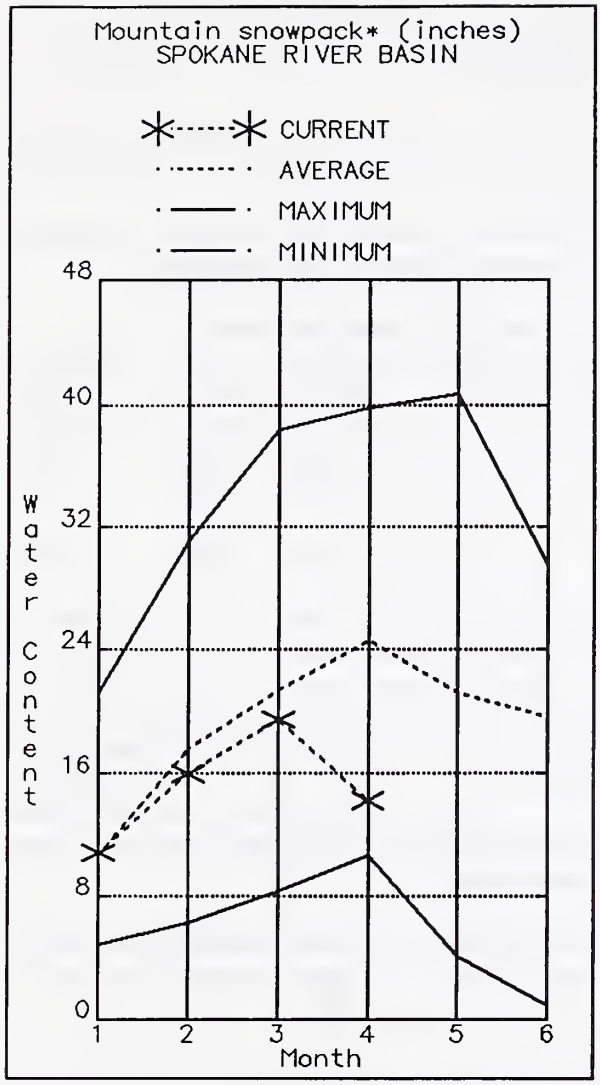
BASE 4-R-39260

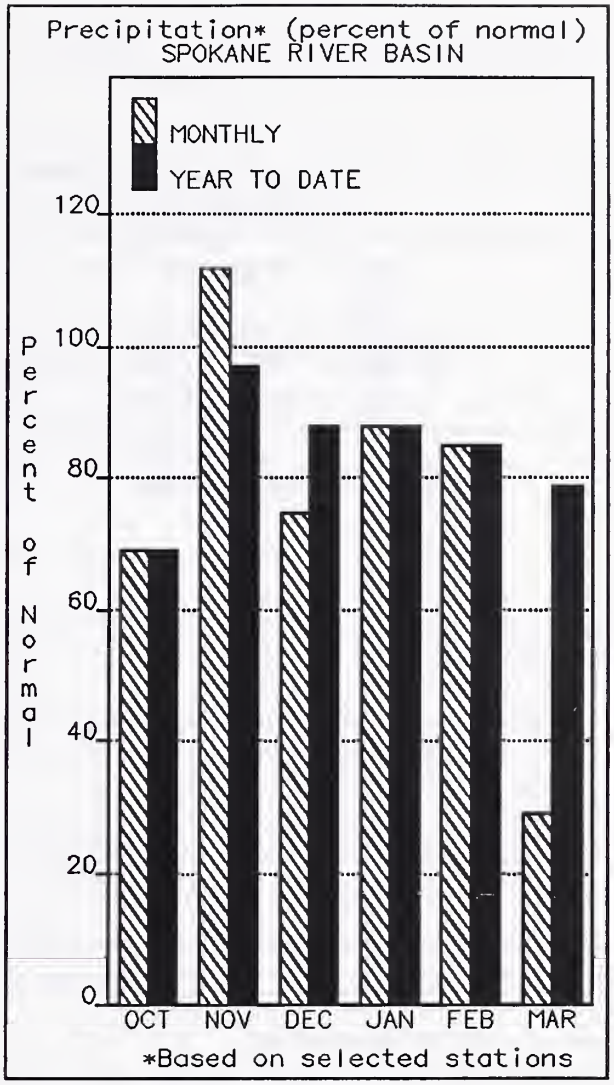
DATA CURRENT AS OF: 4/ 7/92 11:38:34

BASIN SUMMARY OF SNOW COURSE DATA

APRIL 1992

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
PEND OREILLE RIVER						
BENTON MEADOW	2370	3/27/92	0	.0	3.8	3.8
BENTON SPRING	4920	3/27/92	19	8.0	15.8	18.6
BOYER MOUNTAIN	5250	3/24/92	43	16.6	19.4	25.7
BUNCHGRASS MEADOWS	5000	3/23/92	58	21.9	34.0	29.5
BUNCHGRASS MDWPILLOW	5000	4/01/92	---	23.0	30.3	28.0
HEART LAKE TRAIL	4800	3/31/92	24	9.6	20.4	21.6
HOODOO BASIN	6050	3/31/92	87	34.8	51.9	51.0
HOODOO CREEK	5900	3/31/92	87	34.9	44.8	46.3
LOOKOUT (d)	5140	4/01/92	---	24.0E	29.0	33.7
NELSON CAN.	3100	3/31/92	23	9.9	12.6	15.5
KETTLE RIVER						
BARNES CREEK CAN.	5300	3/26/92	43	19.2	25.4	20.6
BIG WHITE MTN CAN.	5510	3/29/92	38	14.8	20.5	19.4
BUTTE CREEK	4070	3/26/92	8	2.6	8.5	9.0
CARMI CAN.	4100	3/29/92	2	.6	7.3	6.4
GOAT CREEK	3600	3/26/92	0	.0	2.9	4.3
MONASHEE PASS CAN.	4500	3/26/92	26	11.3	16.2	14.0
SUMMIT C.S.	4600	3/26/92	3	.9	8.5	8.1
TRAPPING CK LOW CAN.	3050	3/30/92	0	.0	4.8	3.5
TRAPPING CK UP CAN.	4460	3/29/92	3	1.0	9.9	9.8
COLVILLE RIVER						
STRANGER MOUNTAIN	4230	3/25/92	---	3.7E	8.9	12.2
SPOKANE RIVER						
FOURTH OF JULY SUM	3200	3/25/92	0	.0	5.0	6.8
LOOKOUT (d)	5140	4/01/92	---	24.0E	29.0	33.7
LOST LAKE	6110	4/01/92	94	42.1	66.1	57.0
MOSQUITO RIDGE	5200	3/31/92	61	27.4	37.4	37.1
MOSQUITO PILLOW	5200	4/01/92	---	29.2	36.2	37.3
SHERMIN (d)	3200	4/01/92	---	.0E	8.4	11.7
SUNSET	5540	3/31/92	52	23.1	34.7	31.8
SUNSET PILLOW	5540	4/01/92	---	26.0	37.3	37.6
NEWMAN LAKE						
QUARTZ PEAK PILLOW	4700	4/01/92	---	10.1	17.8	21.9
RAGGED RIDGE	3330	4/01/92	0	.0	---	3.5
OKANOGAN RIVER						
BRENDA MINE CAN.	4800	3/31/92	19	7.8	11.5	13.0
BROOKMERE CAN.	3200	3/28/92	15	3.5	8.5	8.6
ENDERBY CAN.	6200	3/29/92	83	29.5	43.6	38.6
ESPERON CK. UP CAN.	5410	3/29/92	34	12.5	17.4	18.7
ESPERON CK. MID CAN.	4690	3/29/92	29	10.3	14.9	15.5
ESPERON CK. LO CAN.	4400	3/29/92	19	6.4	10.8	12.0
FREEZEOUT CK. TRAIL	3500	3/27/92	4	1.4	15.5	11.5
GREYBACK RES CAN.	5120	3/30/92	16	5.7	11.4	9.1
HAMILTON HILL CAN.	4890	3/30/92	16	6.5	18.1	15.1
HARTS PASS	6500	3/26/92	82	34.4	54.4	42.6
HARTS PASS PILLOW	6500	4/01/92	---	39.9S	70.4	41.3
ISINTOK LAKE CAN.	5500	3/26/92	8	2.6	11.1	7.6
LIGHTNING LAKE CAN.	4000	3/30/92	21	7.8	16.2	12.7
LOST HORSE MTN CAN.	6300	3/31/92	23	6.6	17.3	9.5
MCCULLOCH CAN.	4200	3/30/92	4	1.5	9.0	6.7
MISSEZULA MTN CAN.	5090	3/30/92	12	4.1	12.5	9.4
MONASHEE PASS CAN.	4500	3/26/92	26	11.3	16.2	14.0
MT. KOBAU CAN.	5900	3/28/92	32	9.8	9.6	12.9
MUTTON CREEK #1	5700	3/26/92	21	7.8	9.3	13.2
OYAMA LAKE CAN.	4400	3/26/92	9	2.4	8.1	7.0
RUSTY CREEK	4000	3/26/92	0	.0	2.4	5.9
SALMON MDWS PILLOW	4500	4/01/92	---	5.1S	6.0	9.4
SILVER STAR MTN CAN.	6000	3/28/92	59	23.0	30.3	29.2
SUMMERLAND RES CAN.	4200	3/26/92	11	3.8	9.4	9.5
SUNDAY SUMMIT CAN.	4300	3/30/92	0	.0	7.8	4.7
TROUT CREEK CAN.	4690	3/28/92	11	2.0	9.5	7.2
VASEUX CREEK CAN.	4600	3/31/92	11	4.1	7.9	6.6
METHOW RIVER						
HARTS PASS	6500	3/26/92	82	34.4	54.4	42.6
HARTS PASS PILLOW	6500	4/01/92	---	39.9S	70.4	41.3
MUTTON CREEK #1	5700	3/26/92	21	7.8	9.3	13.2
RUSTY CREEK	4000	3/26/92	0	.0	2.4	5.9
SALMON MDWS PILLOW	4500	4/01/92	---	5.1S	6.0	9.4
CHELAN LAKE BASIN						
CLOUDY PASS AM	6500	3/25/92	74	35.5	66.0	42.1
LYMAN LAKE	5900	3/25/92	104	48.1	75.7	58.7
LYMAN LAKE PILLOW	5900	4/01/92	---	57.3S	84.1	56.9
LITTLE MDWS AM	5280	3/25/92	76	36.5	59.5	44.0
MINERS RIDGE PILLOW	6200	4/01/92	---	43.0S	71.6	---
PARK CREEK RIDGE	4600	3/25/92	74	34.1	54.3	43.1
PARK CK RIDGE PILLOW	4600	4/01/92	---	41.9S	60.6	41.6
RAINY PASS	4780	3/26/92	87	38.6	47.2	39.3
RAINY PASS PILLOW	4780	4/01/92	---	40.4S	61.0	38.0
ENTIAT RIVER						
BRIEF	1600	3/27/92	0	.0	.0	2.5
POPE RIDGE PILLOW	3540	4/01/92	---	10.8S	13.3	15.7
WENATCHEE RIVER						
BERNE-MILL CREEK (d)	3170	3/31/92	35	14.8	23.8	27.2
BLEWETT PASS #2	4270	3/30/92	6	2.8	7.7	15.1
BLEWETT PASS#2PILLOW	4270	4/01/92	---	6.4S	12.2	17.8
CHIWAUKUM G.S.	2500	3/31/92	0	.0	7.1	8.9
FISH LAKE PILLOW	3370	4/01/92	---	14.8S	28.3	31.9
LYMAN LAKE	5900	3/25/92	104	48.1	75.7	58.7
LYMAN LAKE PILLOW	5900	4/01/92	---	57.3S	84.1	56.9
MERRITT	2140	3/31/92.	0	.0	9.6	12.8
MISSION RIDGE	5000	3/27/92	28	11.1	12.1	16.5
STEVENS PASS PILLOW	4070	4/01/92	---	22.6S	44.0	42.3
STEVENS PASS SAND SD	3700	3/31/92	33	14.7	28.4	33.7
TROUGH #2 PILLOW	5310	4/01/92	---	4.3S	4.9	9.7
UPPER WHEELER	4400	3/27/92	0	.0	4.6	7.8
UPPER WHEELER PILLOW	4400	4/01/92	---	10.1S	10.8	13.6
STEMILT CREEK						
STEMILT SLIDE	5000	3/27/92	16	7.2	9.8	12.8
UPPER WHEELER	4400	3/27/92	0	.0	4.6	7.8
UPPER WHEELER PILLOW	4400	4/01/92	---	10.1S	10.8	13.6
COLOCKUM CREEK						
TROUGH #2 PILLOW	5310	4/01/92	---	4.3S	4.9	9.7
YAKIMA RIVER						
AHTANUM R.S.	3100	3/31/92	0	.0	1.9	5.3
BLEWETT PASS #2	4270	3/30/92	6	2.8	7.7	15.1
BLEWETT PASS#2PILLOW	4270	4/01/92	---	6.4S	12.2	17.8
BUMPING LAKE	3450	3/30/92	1	.5	8.6	14.2
BUMPING LAKE (NEW)	3400	3/30/92	2	1.0	11.4	18.3
BUMPING RIDGE PILLOW	4600	4/01/92	---	15.6S	19.5	21.2
CAYUSE PASS	5300	4/01/92	---	35.4E	79.4	82.4
COLOCKUM PASS	5370	3/26/92	23	9.1	10.4	16.5
CORRAL PASS PILLOW	6000	4/01/92	---	28.5S	33.5	32.6
FISH LAKE	3370	3/31/92	28	13.1	26.8	31.4
FISH LAKE PILLOW	3370	4/01/92	---	14.8S	28.3	31.9
GREEN LAKE	6000	3/31/92	---	26.4E	24.3	33.9
GREEN LAKE PILLOW	6000	4/01/92	---	16.0S	17.8	20.7
GROUSE CAMP PILLOW	5380	4/01/92	---	13.2S	12.6	19.8
LAKE CLE ELUM	2200	3/30/92	0	.0	.0	4.3
MORSE LAKE PILLOW	5400	4/01/92	---	40.6S	53.1	47.2
OLALLIE MDWS PILLOW	3960	4/01/92	---	26.5S	46.2	53.5
OLALLIE MEADOWS	3630	3/28/92	0	.0	23.6	44.8
SASSE RIDGE PILLOW	4200	4/01/92	---	23.6S	25.0	32.1
STAMPEDE PASS PILLOW	3860	4/01/92	---	26.1S	35.9	44.4
TUNNEL AVENUE	2450	3/30/92	0	.0	12.5	20.8
WHITE PASS ES PILLOW	4500	4/01/92	---	11.7S	17.9	22.9
AHTANUM CREEK						
AHTANUM R.S.	3100	3/31/92	0	.0	1.9	5.3
GREEN LAKE	6000	3/31/92	---	26.4E	24.3	33.9
GREEN LAKE PILLOW	6000	4/01/92	---	16.0S	17.8	20.7
MILL CREEK						
HIGH RIDGE PILLOW	4980	4/01/92	---	.0S	13.5	24.4
TOUCHET #2 PILLOW	5530	4/01/92	---	16.9	23.5	31.9
LEWIS - COWLITZ RIVERS						
CAYUSE PASS	5300	4/01/92	---	35.4E	79.4	82.4
JUNE LAKE PILLOW	3200	4/01/92	---	.0S	17.1	36.3
LONE PINE PILLOW	3800	4/01/92	---	5.3S	19.6	32.1
PARADISE PARK PILLOW	5500	4/01/92	---	53.7S	68.4	62.1
PIGTAIL PEAK PILLOW	5900	4/01/92	---	41.8S	58.9	49.3
POTATO HILL PILLOW	4500	4/01/92	---	7.2S	19.2	25.3
SHEEP CANYON PILLOW	4050	4/01/92	---	.0S	29.0	39.8
SPENCER MDW PILLOW	3400	4/01/92	---	.0S	13.3	29.6
SPIRIT LAKE PILLOW	3100	4/01/92	---	.0S	1.5	3.6
SURPRISE LKS PILLOW	4250	4/01/92	---	18.6S	32.3	44.2
WHITE PASS ES PILLOW	4500	4/01/92	---	11.7S	17.9	22.9
WHITE RIVER						
CAYUSE PASS	5300	4/01/92	---	35.4E	79.4	82.4
CORRAL PASS PILLOW	6000	4/01/92	---	28.5S	33.5	32.6
MORSE LAKE PILLOW	5400	4/01/92	---	40.6S	53.1	47.2
GREEN RIVER						
COUGAR MTN. PILLOW	3200	4/01/92	---	.0S	16.1	18.8
GRASS MOUNTAIN #2	2900	3/28/92	0	.0	2.0	15.9
LESTER CREEK	3100	3/28/92	8	3.4	18.6	23.3
LYNN LAKE	4000	3/28/92	4	2.0	26.5	22.0
SAWMILL RIDGE	4700	3/28/92	22	9.0	29.2	36.3
STAMPEDE PASS PILLOW	3860	4/01/92	---	26.1S	35.9	44.4
TWIN CAMP	4100	3/28/92	23	8.8	23.3	25.1
CEDAR RIVER						
CITY CABIN	2390	3/30/92	0	.0	4.1	13.6
MT. GARDNER	3300	3/30/92	0	.0	6.7	14.1
SNOQUALMIE RIVER						
ALPINE MEADOWS	3500	3/30/92	13	6.1	40.9	43.7
OLALLIE MDWS PILLOW	3960	4/01/92	---	26.5S	46.2	53.5
OLALLIE MEADOWS	3630	3/28/92	0	.0	23.6	44.8
SKYKOMISH RIVER						
STAMPEDE PASS PILLOW	3860	4/01/92	---	26.1S	35.9	44.4
STEVENS PASS PILLOW	4070	4/01/92	---	22.6S	44.0	42.3
STEVENS PASS SAND SD	3700	3/31/92	33	14.7	28.4	33.7
SKAGIT RIVER						
BEAVER CREEK TRAIL	2200	3/26/92	0	.0	9.4	11.6
BEAVER PASS	3680	3/27/92	33	13.8	25.3	29.7
BROWN TOP AM	6000	3/26/92	100	44.2	84.3	59.6
CLOUDY PASS AM	6500	3/25/92	74	35.5	66.0	42.1
DEVILS PARK	5900	3/26/92	82	34.6	65.9	42.9
FREEZEOUT CK. TRAIL	3500	3/27/92	4	1.4	15.5	11.5
HARTS PASS	6500	3/26/92	82	34.4	54.4	42.6
HARTS PASS PILLOW	6500	4/01/92	---	39.9S	70.4	41.3
KLESILKWA CAN.	3710	3/30/92	0	.0	14.6	12.4
LIGHTNING LAKE CAN.	4000	3/30/92	21	7.8	16.2	12.7
LYMAN LAKE	5900	3/25/92	104	48.1	75.7	58.7
LYMAN LAKE PILLOW	5900	4/01/92	---	57.3S	84.1	56.9
MEADOWS CABIN	1900	3/26/92	0	.0	4.3	4.8
NEW HOZOMEEN LAKE	2800	3/26/92	0	.0	12.3	10.4
RAINY PASS	4780	3/26/92	87	38.6	47.2	39.3
RAINY PASS PILLOW	4780	4/01/92	---	40.4S	61.0	38.0
THUNDER BASIN	4200	3/26/92	40	16.2	21.2	21.7
BAKER RIVER						
DOCK BUTTE AM	3800	3/25/92	68	3.5	54.0	65.4
EASY PASS AM	5200	3/25/92	124	64.0	96.0	82.9
JASPER PASS AM	5400	3/25/92	130	65.0	94.0	86.0
MARTEN LAKE AM	3600	3/25/92	90	4.7	76.0	73.4
MT. BLUM AM	5800	3/25/92	103	49.0	84.0	63.1
ROCKY CREEK AM	2100	3/25/92	0	.0	27.0	27.8
SCHREIBERS MDW AM	3400	3/25/92	60	32.0	49.0	58.8
SF THUNDER CK AM	2200	3/25/92	0	.0	---	4.9
WATSON LAKES AM	4500	3/25/92	76	3.8	61.0	64.9
ELWHA RIVER						
HURRICANE	4500	3/29/92	1	.6	11.6	22.1
MORSE CREEK						
COX VALLEY	4500	3/28/92	54	23.9	29.8	39.5
DUNGENESS RIVER						
DEER PARK	5200	3/31/92	15	6.8	14.0	20.9
QUILCENE RIVER						
MOUNT CRAG PILLOW	4050	4/01/92	---	12.6S	13.1	---





SPOKANE RIVER BASIN

April 1, 1992: The April 1 forecasts for summer runoff within the Spokane River Basin are 56% of normal, down from 73% for last month. The forecast is based on a snowpack that is 58% of average and a water year-to-date precipitation value 79% of normal. Precipitation for March was 29% of average. Temperatures in the basin were 7 degrees above normal during March. Streamflow on the Spokane River was 78% of normal for March. April 1 storage in Coeur d'Alene Lake was 168,700 acre feet, 72% of normal.

For more information contact your local
Soil Conservation Service office.

SPOKANE RIVER BASIN
Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SPOKANE nr Post Falls (1,2)	APR-SEP	780	1380	1650	61	1920	2520	2720
	APR-JUL	790	1370	1630	62	1890	2470	2627
SPOKANE at Long Lake (2)	APR-JUL	795	1300	1640	56	1980	2490	2937

SPOKANE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
COEUR D'ALENE	291.2	168.7	182.2	234.3

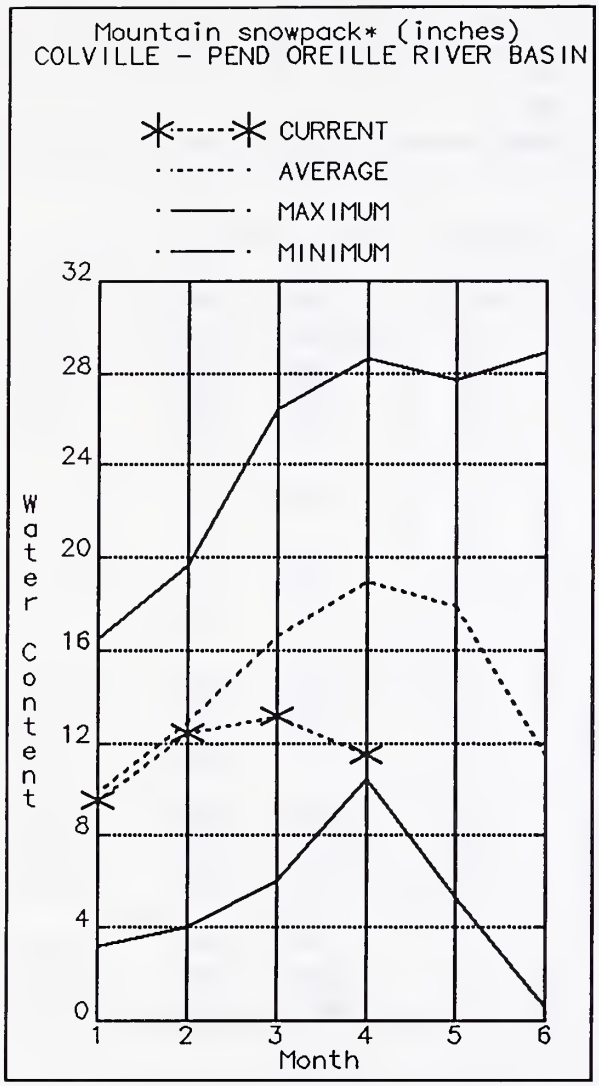
SPOKANE RIVER BASIN
Watershed Snowpack Analysis - April 1, 1992

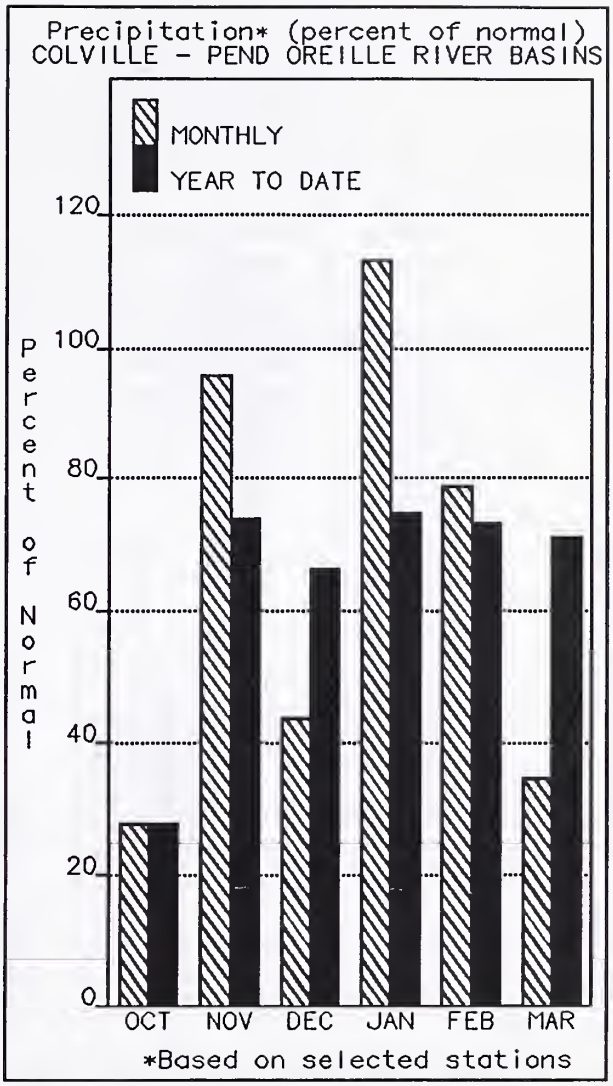
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Spokane River	17	60	58

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
2) - The value is natural flow - actual flow may be affected by upstream water management.





COLVILLE - PEND OREILLE RIVER BASINS:

April 1, 1992: April 1 snow cover is 66% of average on the Pend Oreille and 53% on the Kettle. Snowpack at Bunchgrass Meadow SNOTEL site was 23.0 inches of water. The average April 1 reading is 28.0 inches. Precipitation during March was 35% of average, bringing the water year-to-date to 71% of normal. March streamflow was 91% of normal on the Pend Oreille River, 126% on the Columbia at the International Boundary, and 188% on the Kettle River. The forecast for the Kettle River streamflow is 72% of normal, the Pend Oreille, 60% down from 77% last month, and the Colville River, 72%, down from 90% of normal for the summer runoff period. Temperatures were five degrees above normal for March.

For more information contact your local
Soil Conservation Service office.

COLVILLE - PEND OREILLE RIVER BASINS
Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
PEND OREILLE bl Box Canyon (1,2)	APR-SEP	5840	7940	8770	60	9600	11800	14590
	APR-JUL	5610	7280	8040	60	8800	10500	13380
	APR-JUN	4850	6290	6940	60	7590	9030	11570
CHAMOKANE CK nr Long Lake	MAY-AUG	1.6	4.6	6.6	70	8.6	11.6	9.4
COLVILLE at Kettle Falls	APR-SEP	46	75	94	72	113	142	131
	APR-JUL	46	70	86	72	102	126	120
	APR-JUN	44	65	80	72	95	116	111
KETTLE nr Laurier	APR-SEP	810	1130	1340	72	1550	1870	1853
	APR-JUL	800	1100	1300	74	1500	1800	1760
	APR-JUN	720	990	1170	74	1350	1620	1585
COLUMBIA at Birchbank (1,2)	APR-SEP	31900	35600	37200	85	38800	42500	43810
	APR-JUL	25600	28500	29800	85	31100	34000	35140
	APR-JUN	18800	20900	21800	85	22700	24800	25670
COLUMBIA at Grand Coulee Dm (1,2)	APR-SEP	41300	47100	49800	77	52500	58300	64780
	APR-JUL	34500	39500	41700	77	43900	48900	54500
	APR-JUN	27300	31200	32900	77	34600	38500	42730

COLVILLE - PEND OREILLE RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
OOSEVELT	5232.0	3934.9	2512.5	1586.0
ANKS	715.0	678.8	608.0	583.0

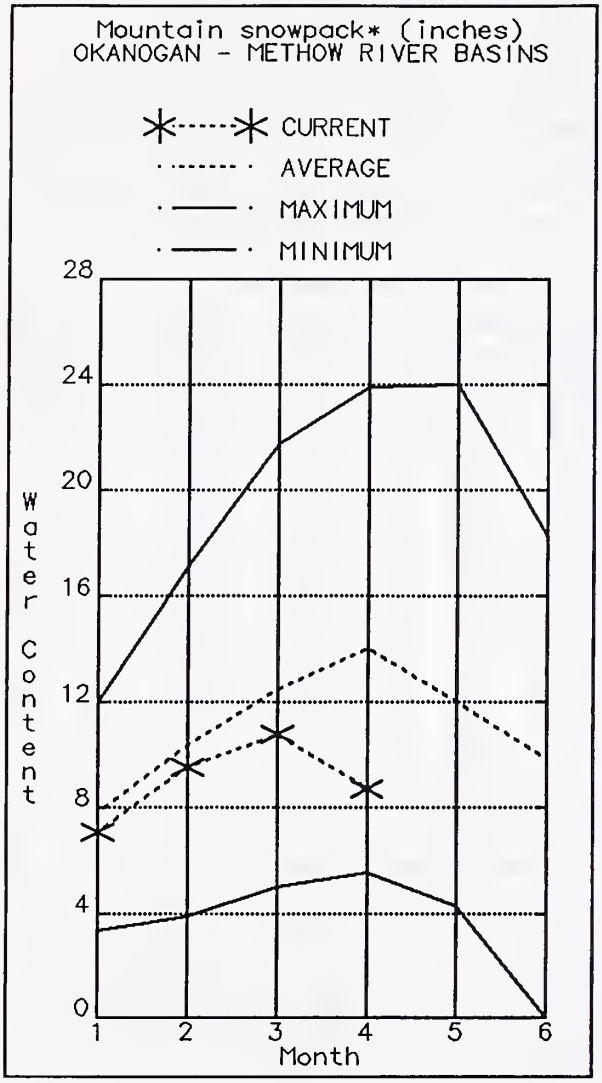
COLVILLE - PEND OREILLE RIVER BASINS
Watershed Snowpack Analysis - April 1, 1992

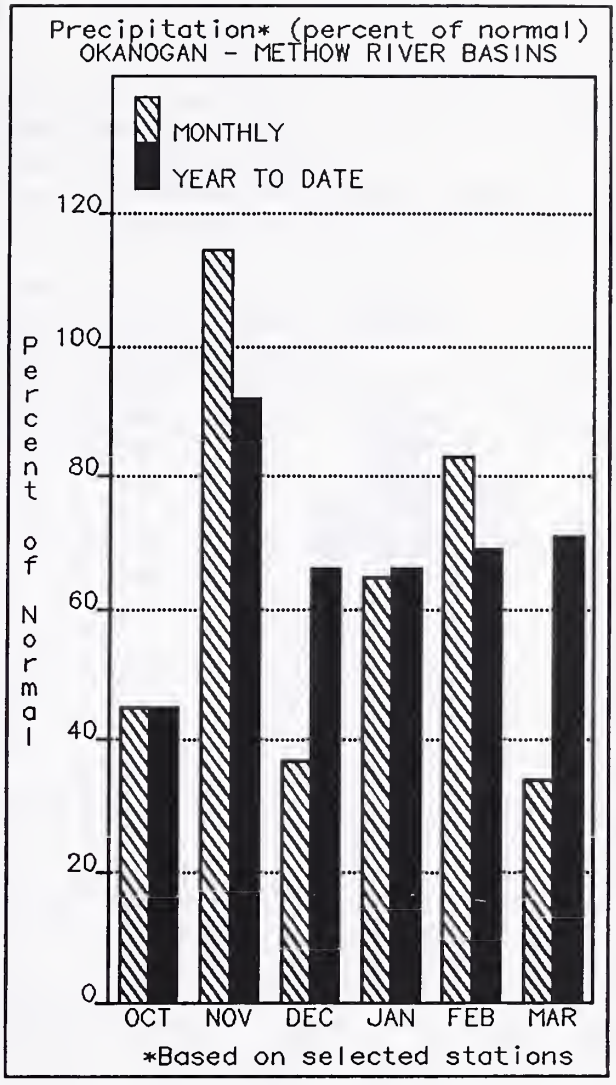
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Colville River	1	42	30
Pend Oreille River	9	71	66
Kettle River	9	48	53

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

he average is computed for the 1961-1990 base period.

1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
2) - The value is natural flow - actual flow may be affected by upstream water management.





OKANOGAN - METHOW RIVER BASINS:

April 1, 1992: Summer runoff forecast for the Okanogan River is 61% of normal, down from 78%; the Similkameen River, 61%, and the Methow River, 72% of normal, down from 85%. Temperatures were eight degrees above normal for the month. April 1 snow cover was 62% of average for the Okanogan, and 76% for the Methow Basin. March precipitation in the Okanogan-Methow was 34% of normal, with water year-to-date at 71% of average. March streamflow on the Methow River was 176% of normal, 131% on the Okanogan River, and 202% on the Similkameen River, the highest in the state . Snow water content at the Harts Pass SNOTEL, elevation 6500 feet, was 39.9 inches. Storage in the Conconully Reservoirs is 16,900 acre feet, which is 72% of capacity and 113% of April 1 average.

For more information contact your local
Soil Conservation Service office.

OKANOGAN - METHOW RIVER BASINS
Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SIMILKAMEEN nr Nighthawk (1)	APR-SEP	555	760	855	61	950	1160	1399
	APR-JUL	530	720	810	62	900	1090	1304
	APR-JUN	420	605	690	62	775	960	1113
OKANOGAN RIVER nr Tonasket (1)	APR-SEP	405	810	995	61	1180	1580	1624
	APR-JUL	395	750	910	62	1070	1430	1467
	APR-JUN	370	640	765	62	890	1160	1234
METHOW RIVER nr Pateros (1)	APR-SEP	435	605	680	72	755	925	942
	APR-JUL	410	570	640	73	710	870	873
	APR-JUN	340	480	545	73	610	750	746

OKANOGAN - METHOW RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CONCONULLY LAKE (SALMON)	10.5	8.2	9.5	8.0
CONCONULLY RESERVOIR	13.0	8.7	9.6	7.0

OKANOGAN - METHOW RIVER BASINS
Watershed Snowpack Analysis - April 1, 1992

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Okanogan River	26	53	62
Methow River	4	60	76

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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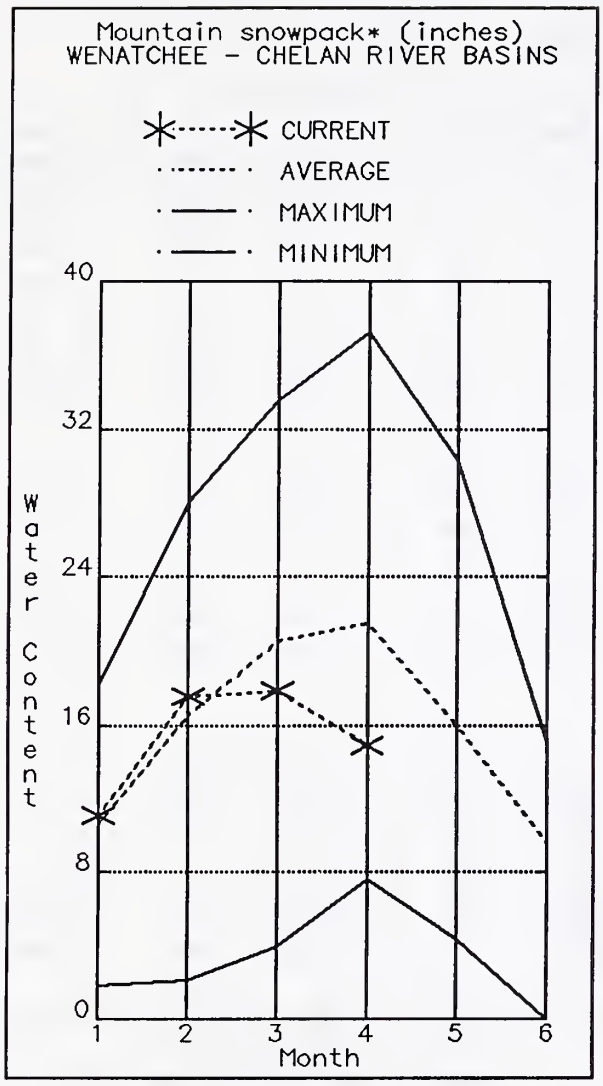

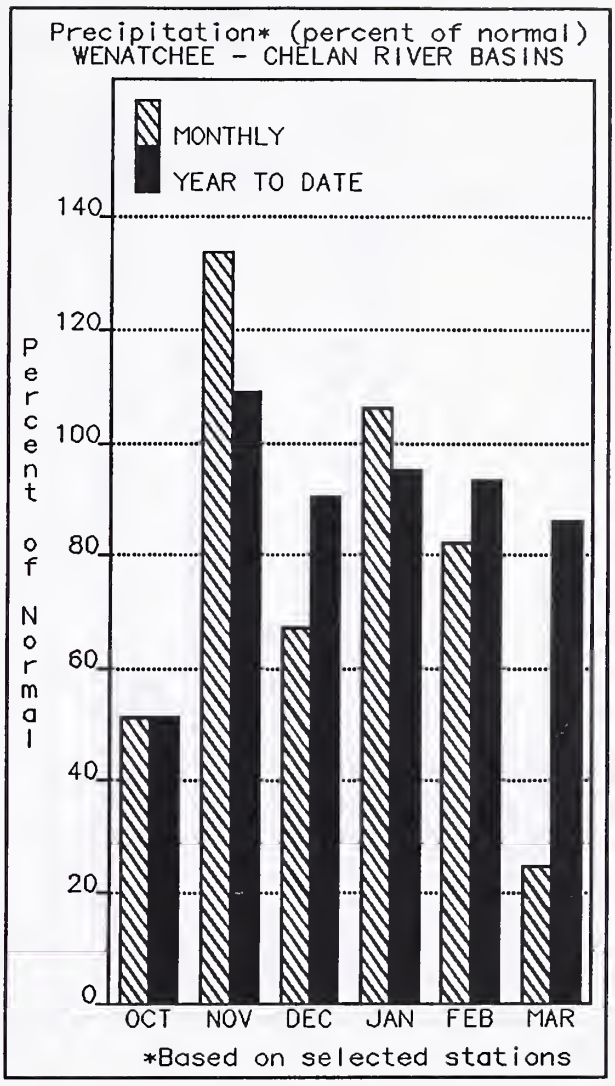

WENATCHEE - CHELAN RIVER BASINS:

April 1, 1992: April 1 snowpack in the Wenatchee Basin is 57%; the Chelan Basin 98% and the Entiat Basin, 59%. Snowpack continues low along Colockum Ridge, with Stemilt Creek at 66%. Reservoir storage in Lake Chelan is 158,000 acre feet or 74% of April 1 average and 23% of capacity. Lyman Lake SNOTEL had the most snow water with 56.6 inches of water; this site would normally have 57.1 inches. Runoff for the Entiat River is forecast to be 88% of normal for the summer. Summer forecasts for the Chelan River are for 85%, Wenatchee River's runoff 82%, and 76% on the Squilchuck-Stemilt. Streamflow for March on the Chelan River was 165% of average and the Wenatchee River was 164% of normal. Precipitation during March was 25% of normal in the basin and 86% for the year-to-date.

For more information contact your local
Soil Conservation Service office.

WENATCHEE - CHELAN RIVER BASINS

Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CHELAN RIVER at Chelan (1)	APR-SEP	830	945	995	86	1050	1160	1160
	APR-JUL	735	835	880	86	925	1030	1024
	APR-JUN	510	640	700	86	760	890	812
STEHEKIN R. at Stehekin	APR-SEP	640	695	730	88	765	820	827
	APR-JUL	545	595	625	89	655	705	701
	APR-JUN	420	455	480	89	505	540	538
ENTIAT RIVER nr Ardenvoir	APR-SEP	158	183	200	88	215	240	227
	APR-JUL	144	167	183	89	199	220	206
	APR-JUN	120	138	150	89	162	181	169
WENATCHEE R. at Peshastin	APR-SEP	815	1120	1330	81	1540	1850	1636
	APR-JUL	735	1010	1200	81	1390	1670	1485
	APR-JUN	600	825	975	81	1130	1350	1204
STEMILT nr Wenatchee (miners in)	MAY-SEP	61	87	105	76	123	149	138
ICICLE CREEK nr Leavenworth	APR-SEP	173	245	290	78	340	410	370
	APR-JUL	157	220	265	78	310	375	340
	APR-JUN	124	175	210	78	245	295	270
COLUMBIA R. bl Rock Island Dam (2)	APR-SEP	45000	50500	54300	77	58100	63600	70410
	APR-JUL	37800	42500	45700	77	48900	53600	59690
	APR-JUN	30000	33700	36200	77	38700	42400	46980

WENATCHEE - CHELAN RIVER BASINS

Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CHELAN LAKE	676.1	158.0	392.3	212.1

WENATCHEE - CHELAN RIVER BASINS

Watershed Snowpack Analysis - April 1, 1992

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Chelan Lake Basin	4	64	98
Entiat River	2	81	59
Wenatchee River	10	57	57
Squilchuck Creek	0	0	0
Stemilt Creek	2	84	66
Colockum Creek	1	88	44

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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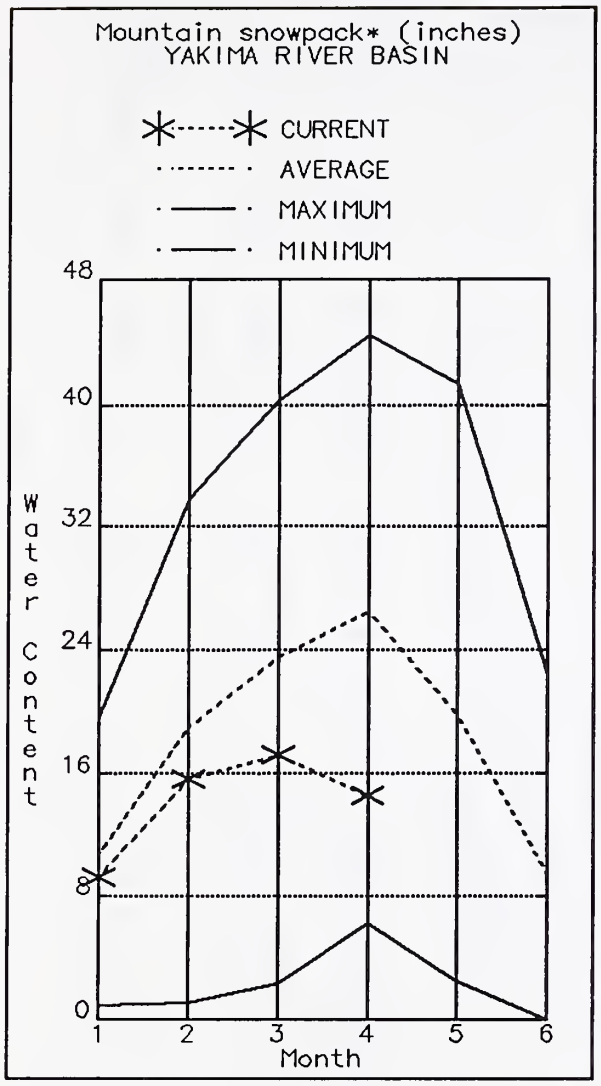
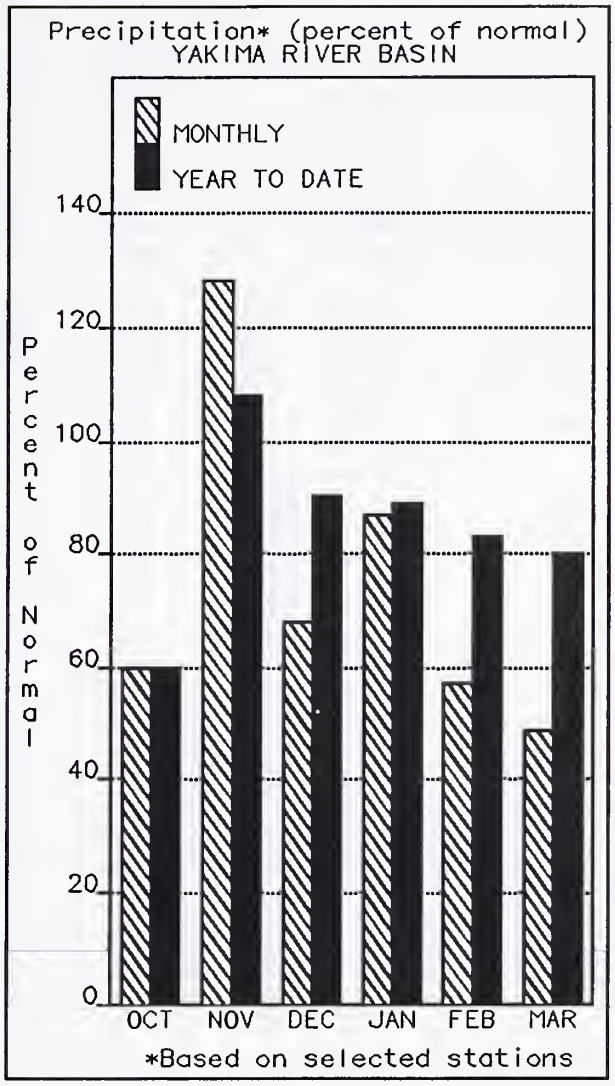
(2) - The value is natural flow - actual flow may be affected by upstream water management.





YAKIMA RIVER BASIN:

April 1, 1992: April precipitation was 49% of normal and 80% for the water year-to-date. The outlook for irrigation water for the summer is fair with April 1 reservoir storage for the five major reservoirs at 816,400 acre feet, 110% of average. April 1 snowpack is 55% based upon 19 snow courses and SNOTEL readings. April 1 summer streamflow forecasts for the Yakima Basin vary throughout the basin as follows: the Yakima River at Cle Elum, 74 %; Naches River, 71%; the Yakima River near Parker, 70%, Ahtanum Creek, 83%, and Tieton River 70%. March streamflows varied with the Yakima River at Parker 120% of normal, 141% on the Yakima near Cle Elum, and 137% on the Naches River. Temperatures were five degrees above average for March. Volume forecasts for the Yakima Basin are for natural flow. As such, they may differ from the U. S. Bureau of Reclamation's forecast for the total water supply available which includes adjustments for reservoir operation and irrigation return flow.

For more information contact your local
Soil Conservation Service office.

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YAKIMA RIVER at Martin (1)	APR-SEP	80	92	97	72	103	115	135
	APR-JUL	74	85	90	73	95	106	124
	APR-JUN	66	76	80	73	85	94	109
YAKIMA RIVER at Cle Elum (2)	APR-SEP	585	640	680	74	720	775	915
	APR-JUL	530	580	615	74	650	700	832
	APR-JUN	455	500	530	74	560	605	721
YAKIMA RIVER nr Parker (2)	APR-SEP	1010	1240	1400	70	1560	1790	1994
	APR-JUL	930	1140	1280	71	1420	1630	1805
	APR-JUN	820	1000	1130	71	1260	1440	1597
KACHESS RIVER nr Easton (1)	APR-SEP	68	81	87	74	93	106	118
	APR-JUL	66	77	82	74	87	98	111
	APR-JUN	59	69	73	74	78	87	99
CLE ELUM RIVER nr Roslyn (1)	APR-SEP	280	325	345	77	365	410	448
	APR-JUL	260	300	320	78	340	380	409
	APR-JUN	220	255	270	78	285	320	346
BUMPING RIVER nr Nile (1)	APR-SEP	66	91	102	75	113	138	136
	APR-JUL	60	83	93	75	103	126	124
	APR-JUN	51	70	78	75	87	105	104
AMERICAN RIVER nr Nile	APR-SEP	78	85	90	76	95	102	118
	APR-JUL	73	80	84	77	89	95	109
	APR-JUN	62	67	71	77	75	80	92
TIETON RIVER at Tieton (1)	APR-SEP	97	144	166	70	188	235	237
	APR-JUL	85	126	144	72	162	205	200
	APR-JUN	69	101	116	72	131	164	162
NACHES RIVER nr Naches (2)	APR-SEP	420	520	590	71	660	760	832
	APR-JUL	385	480	540	72	605	695	755
	APR-JUN	340	415	470	72	525	600	651
AHTANUM CREEK nr Tampico (2)	APR-SEP	17.0	27	34	74	41	51	46
	APR-JUL	16.0	25	31	74	37	46	42
	APR-JUN	14.0	22	27	75	32	40	36

YAKIMA RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
KEECHELUS	157.8	131.6	139.7	110.0
KACHESS	239.0	186.4	216.3	187.0
CLE ELUM	436.9	354.4	406.4	290.0
BUMPING LAKE	33.7	18.8	19.0	11.0
RIMROCK	198.0	125.2	153.2	142.0

YAKIMA RIVER BASIN
Watershed Snowpack Analysis - April 1, 1992

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Yakima River	19	60	49
Ahtanum Creek	2	81	62

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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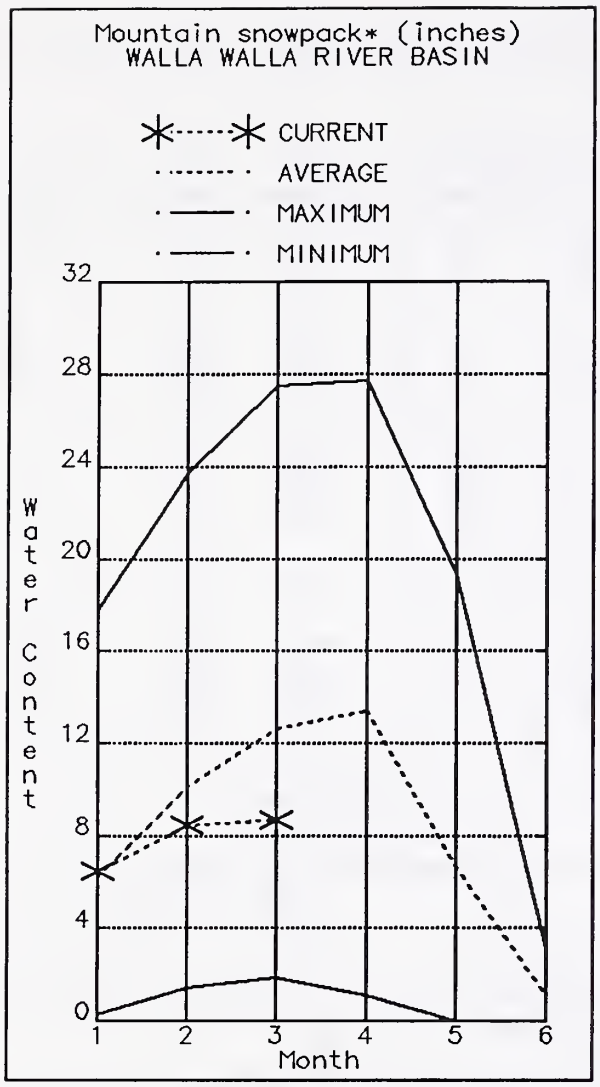

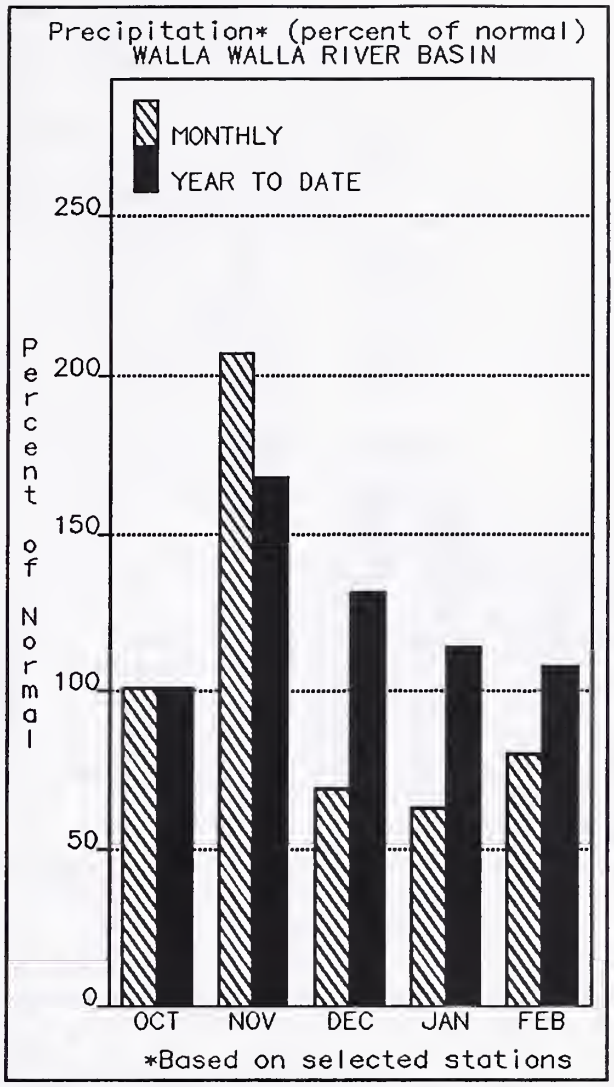

WALLA WALLA RIVER BASIN:

April 1, 1992: March streamflow was 39% of normal on the Walla Walla River, 63% for the Snake River, and 70% on the Grande Ronde River near Troy. April 1 snowpack is at 30%, down from 69% last month. March precipitation was 26% of average, bringing the water year-to-date precipitation to 99% of normal. The forecast is for 57% of average streamflow in the Walla Walla River for the coming summer, the Grande Ronde, 55%; Snake River, 54%, and 46% for Mill Creek. Temperatures were three degrees above average for March.

For more information contact your local
Soil Conservation Service office.

WALLA WALLA RIVER BASIN

Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GRANDE RONDE at Troy (1)	APR-JUL	59	295	400	33	505	740	1214
	APR-SEP	77	330	445	34	560	815	1312
SNAKE bl Lower Granite Dam (1,2)	APR-JUL	5070	8450	9990	46	11500	14900	21650
	APR-SEP	5870	9670	11400	47	13100	16900	24360
MILL CREEK at Walla Walla	APR-SEP	1.9	5.5	7.9	46	10.3	13.9	17.1
	APR-JUL	1.8	5.4	7.8	46	10.2	13.8	16.9
	APR-JUN	1.8	5.3	7.7	46	10.1	13.6	16.7
SF WALLA WALLA nr Milton Freewater	APR-JUL	24	29	32	60	35	40	53
COLUMBIA R. at The Dalles (2)	APR-SEP	50400	59300	63900	65	69200	77100	98910
	APR-JUL	43100	49800	54300	64	58800	65500	84710
	APR-JUN	35000	40400	44100	64	47800	53200	68890

WALLA WALLA RIVER BASIN

Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg

WALLA WALLA RIVER BASIN

Watershed Snowpack Analysis - April 1, 1992

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Mill Creek	2	46	30

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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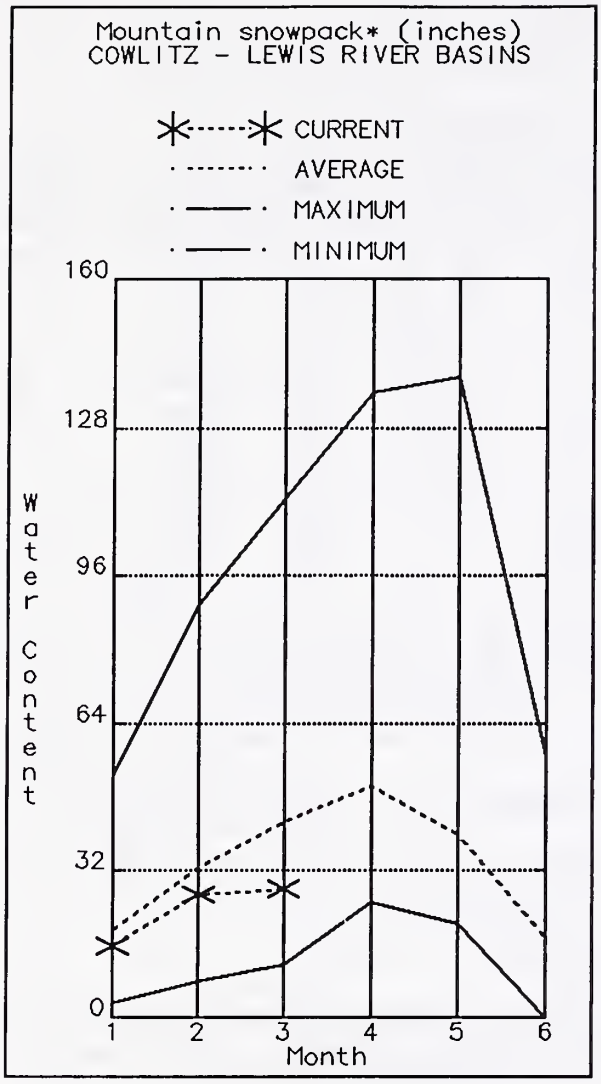
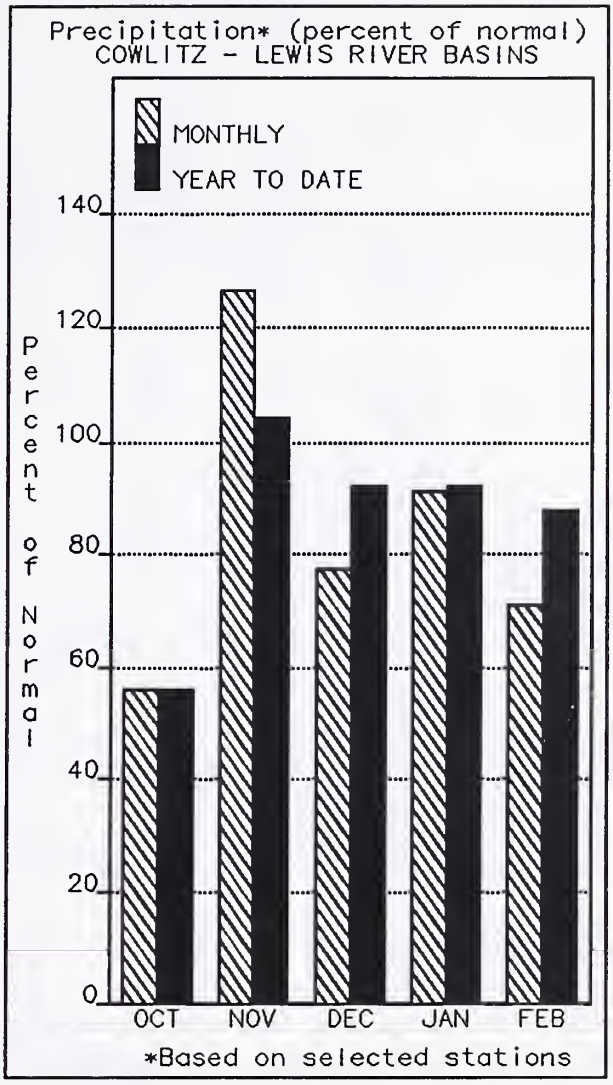




COWLITZ - LEWIS RIVER BASINS:

April 1, 1992: March precipitation was 23% of normal, bringing the water year-to-date precipitation to 80% of average. April 1 snow cover for the Cowlitz-Lewis River Basin is 49% down from 65% last month. The Paradise Park SNOTEL contained the largest water content for the basin with 53.3 inches of water. Normal April 1 water content is 62.5 inches. Forecasts for summer runoff in the Lewis River are 66%, and for the Cowlitz River, 68%. March streamflow on the Cowlitz River was 65% of average, and 50% on the Lewis River. Temperatures were five degrees above normal for March.

For more information contact your local
Soil Conservation Service office.

COWLITZ - LEWIS RIVER BASINS

Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LEWIS RIVER at Ariel (2)	APR-SEP	465	665	800	66	935	1130	1204
	APR-JUL	410	580	700	67	820	990	1051
	APR-JUN	370	520	625	67	730	880	933
COWLITZ R. bl Mayfield Dam (2)	APR-SEP	510	980	1300	66	1620	2090	1970
	APR-JUL	450	860	1140	66	1420	1830	1731
	APR-JUN	385	735	975	66	1210	1560	1477
COWLITZ R. at Castle Rock (2)	APR-SEP	760	1330	1720	64	2110	2680	2667
	APR-JUL	665	1160	1500	65	1840	2340	2325
	APR-JUN	580	1010	1300	65	1590	2020	1995

COWLITZ - LEWIS RIVER BASINS

Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg

COWLITZ - LEWIS RIVER BASINS

Watershed Snowpack Analysis - April 1, 1992

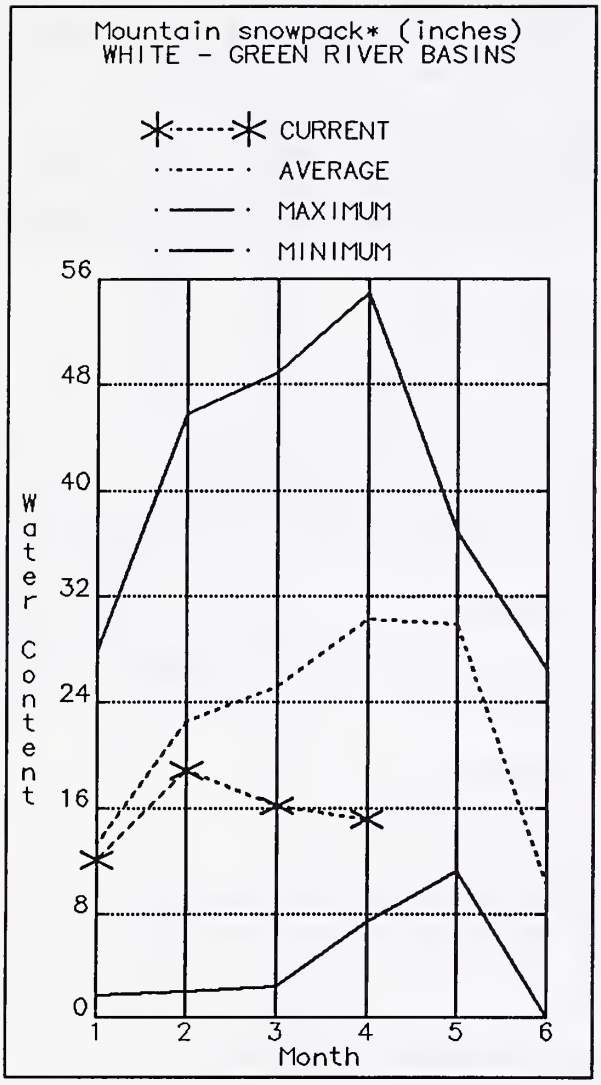
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Cowlitz River	7	55	52
Lewis River	4	29	17

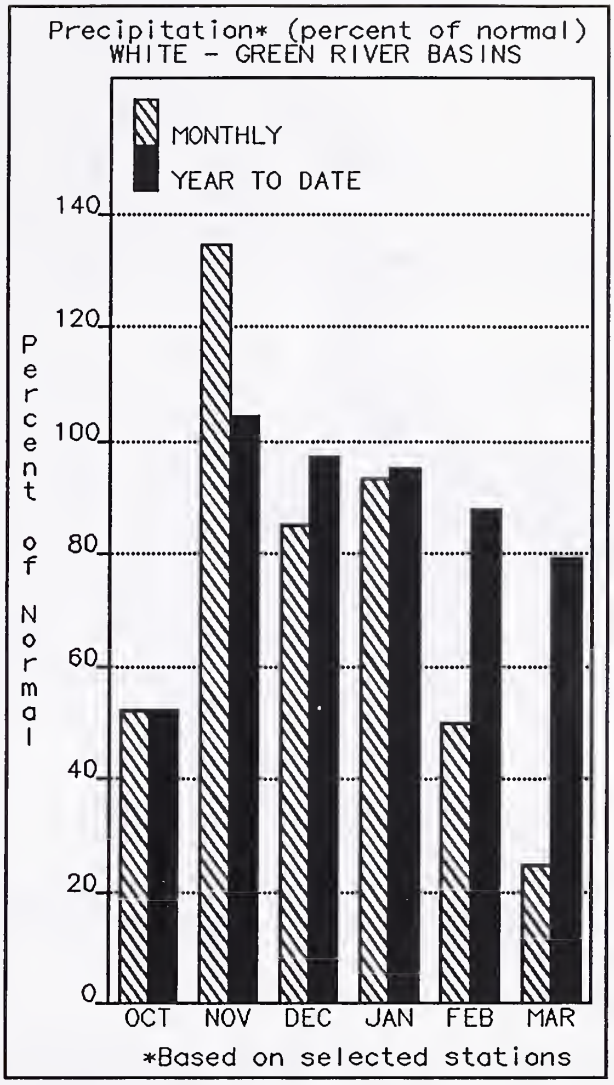
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural flow - actual flow may be affected by upstream water management.





WHITE - GREEN RIVER BASINS:

April 1, 1992: Summer runoff is forecasted to be 77% on the Green River and 65% on the Cedar River.April 1 snowpack was 86% of normal on the White River and 27% in the Green Basin. Water content on April 1 at the Stampede Pass SNOTEL, at an elevation of 3860 feet, was 26.1 inches. This site has a April 1 average of 44.4 inches. March precipitation was 25% of normal, bringing the water year-to-date to 79% of average. Temperatures were five degrees above average for March.

For more information contact your local
Soil Conservation Service office.

WHITE - GREEN RIVER BASINS

Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GREEN R bl Howard Hanson Dam (2)	APR-SEP	162	197	220	77	245	280	285
	APR-JUL	146	177	198	77	220	250	257
	APR-JUN	136	164	183	78	200	230	234
CEDAR RIVER nr Cedar Falls	APR-SEP	37	48	55	65	63	74	84

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WHITE - GREEN RIVER BASINS

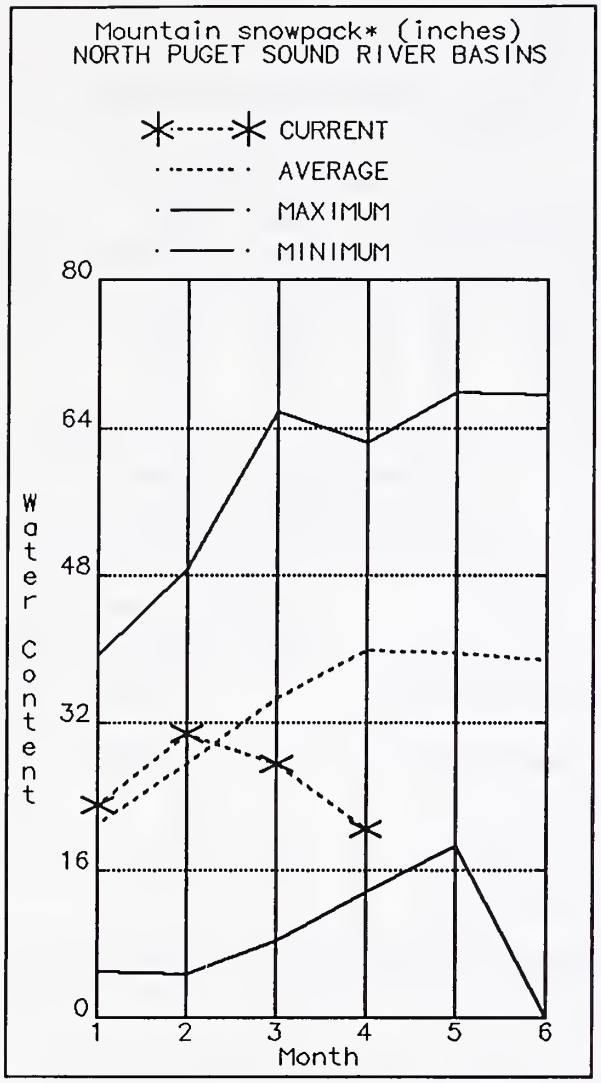
Reservoir Storage (1000 AF) - End of March

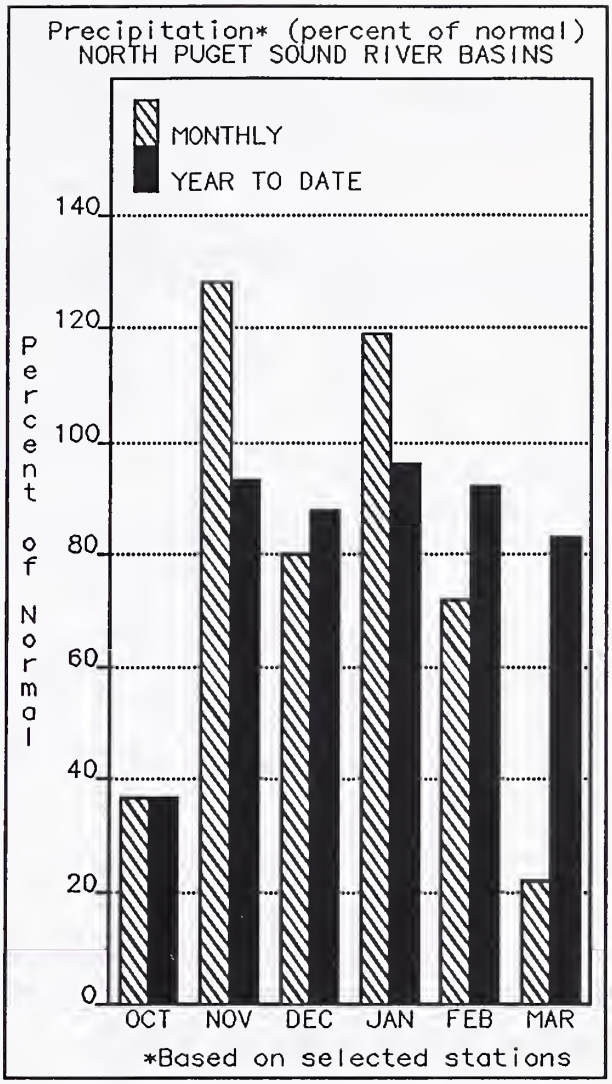
Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg

WHITE - GREEN RIVER BASINS

Watershed Snowpack Analysis - April 1, 1992

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
White River	3	63	64
Green River	7	33	27
Cedar River	2	0	0





NORTH PUGET SOUND RIVER BASINS:

April 1, 1992: March streamflow in the Skagit River was 101% of average. Forecast for the Skagit River streamflow is 86% of normal for the spring and summer period. This forecast is down from 96% from last month. April 1 snow cover in the Skagit Basin is 74% of normal. Rainy Pass SNOTEL at elevation 4780 feet, has 40.4 inches of water content; normal April 1 water content is 38.0 inches. April 1 reservoir storage is above average, with Ross Lake Reservoir at 250% of normal and 53% of capacity. Precipitation for March was 22% of average with a water year-to-date at 83% of normal. March temperatures were five degrees above normal.

For more information contact your local
Soil Conservation Service office.

NORTH PUGET SOUND RIVER BASINS

Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SKAGIT RIVER at Newhalem (2)	APR-SEP	1520	1730	1880	86	2030	2240	2185
	APR-JUL	1290	1470	1590	87	1710	1890	1830
	APR-JUN	1000	1140	1230	87	1320	1460	1410

NORTH PUGET SOUND RIVER BASINS

Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ROSS	1404.1	745.7	630.8	298.0
DIABLO RESERVOIR	90.6	86.8	86.2	---
GORGE RESERVOIR	9.8	8.0	8.0	---

NORTH PUGET SOUND RIVER BASINS

Watershed Snowpack Analysis - April 1, 1992

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Snoqualmie River	3	29	23
Skykomish River	3	59	53
Skagit River	14	53	74
Baker River	8	41	43

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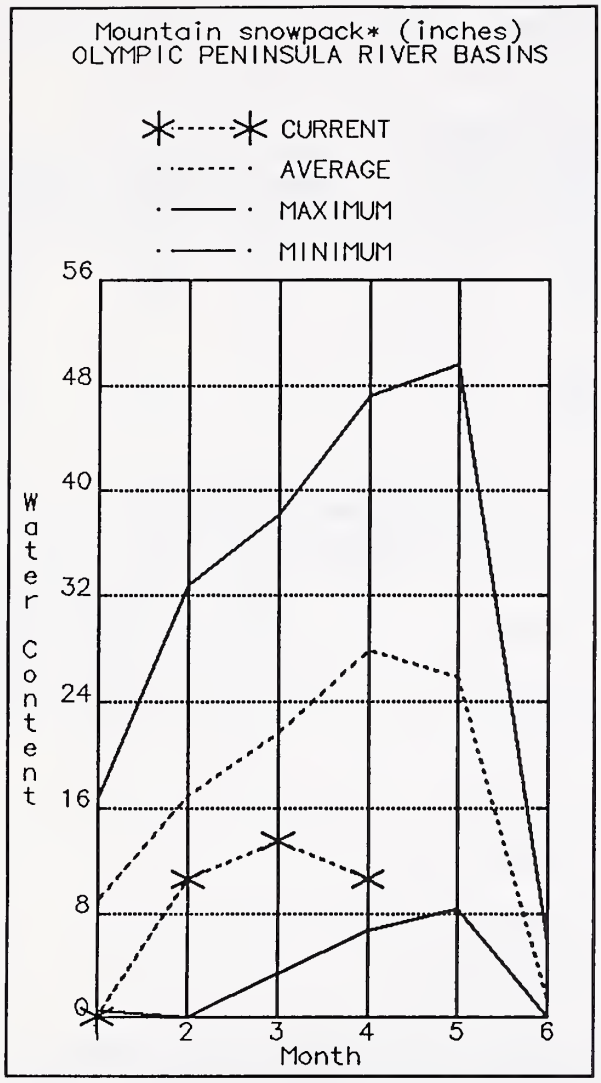

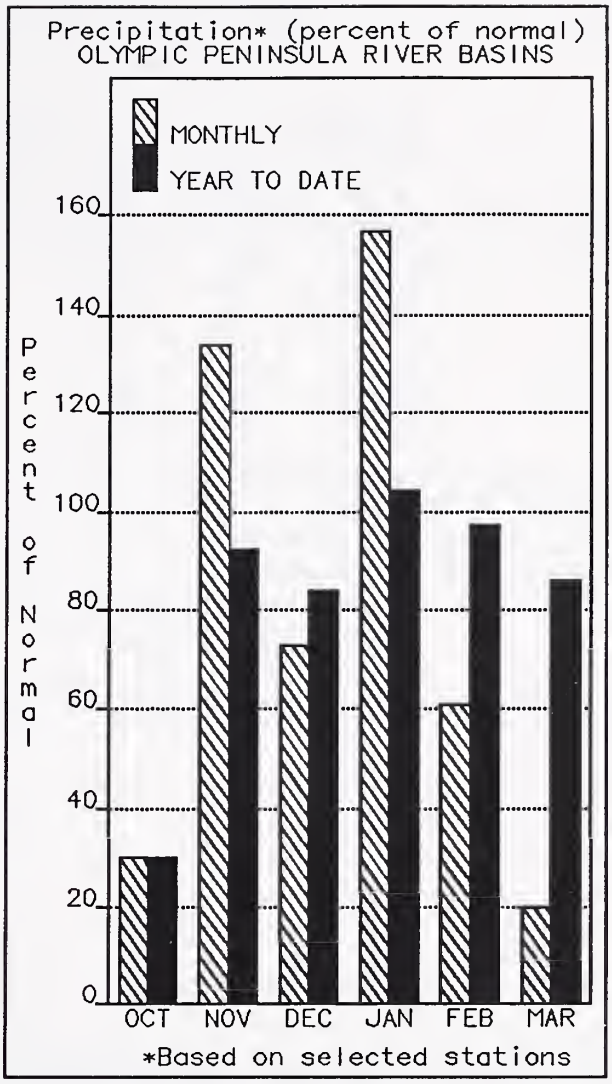

OLYMPIC PENINSULA RIVER BASINS:

April 1, 1992: March precipitation was 20% of average, with water year-to-date precipitation accumulation at 86% of normal. April 1 snow cover in the Olympic Basin is below normal with the Elwah River at 3%, the Dungeness River at 33% and Morse Creek at 61%. April forecasts for streamflow in the basin are for 63% of average on the Dungeness River and 66% on the Elwha River. The Big Quilcene can expect much below normal runoff this summer. The Mount Crag SNOTEL near Quilcene had 12.6 inches on April 1, last year it had 13.1 inches. Temperatures were five degrees above normal for March.

For more information contact your local
Soil Conservation Service office.

OLYMPIC PENINSULA RIVER BASINS

Streamflow Forecasts - April 1, 1992

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
DUNGENESS RIVER nr Sequim	APR-SEP	75	90	100	63	110	125	160
	APR-JUL	66	78	86	66	94	107	131
	APR-JUN	47	56	62	66	68	77	94
ELWHA RIVER nr Port Angeles	APR-SEP	240	295	330	66	365	420	502
	APR-JUL	210	250	280	67	310	350	417

OLYMPIC PENINSULA RIVER BASINS

Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg

OLYMPIC PENINSULA RIVER BASINS

Watershed Snowpack Analysis - April 1, 1992

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
Elwha River	1	5	3
Morse Creek	1	80	61
Dungeness River	1	49	33
Quilcene River	0	0	0
Wynoochee River	0	0	0

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